

Amendments to the Specification:

In the insertions that appear below, the underlining is used only to indicate that the language is to be added to the text, not to indicate that the insertions are to be underlined.

On page 1, replace ~~**Field of invention**~~ with FIELD OF THE INVENTION

On page 1, replace ~~**Background to the invention**~~ with BACKGROUND OF THE INVENTION

On page 2, replace ~~**Summary of the Invention**~~ with BRIEF SUMMARY OF THE INVENTION

On page 5, insert before paragraph [0025] BRIEF DESCRIPTION OF THE SEVERAL VIEWS OF THE DRAWING(S)

On page 6, insert before paragraph [0035] DETAILED DESCRIPTION OF THE INVENTION

Please replace paragraph [0045] with the following paragraph:

[0001] Fig 6 7 shows by way of a flow diagram the monitoring and decision making steps of a wheel monitoring system embodying the invention. The system assumes a formed CBN wheel to be grinding a formed region of a crankshaft and a linear motor wheelfeed.

On page 11, replace ~~**CLAIMS**~~ with CLAIM OR CLAIMS

On page 15, replace ~~**ABSTRACT**~~ with ABSTRACT OF THE DISCLOSURE